

# Adoption of Health Informatics Standard

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# Key Content

- What are Health Informatics Standard
- How can we adopt to the standard

# What are Health Informatics Standard

- Majority
  - to enable interoperability

# What are Health Informatics Standard

- WHO listed
  - 57 registered standard

# eHealth Resolutions and Decision (WHO, 2005)

- WHA58.28
  - e-health strategy
    - establish e-health standard requirement
    - establish interoperability

# In Malaysia

- Ministry of Health
- Telehealth Blueprint

# Standard Development Organisation

HL7	Messaging
HL7	Data Structure and Modelling
Open eHR	Data Structure and Modelling
SNOMED CT	Clinical Terminology
LOINC	Logical Observation Names and Codes (Lab and clinical observation)
WHO	Anatomical Therapeutic Chemical
IEEE	Medical Equipment

...and a lot more

# In reality...

- How do we go about it...

If your organisation is about to  
plan for ICT

Develop a Strategic Information System Plan  
(SISP)

# Strategic Information System

Plan

Vision

Objective

Align ICT Plan with Vision & Objectives

Identify Type of Information System

Identify Technology, Integration, Information etc

Estimation of Cost

# Strategic Information System Plan

Vision      Align ICT Plan with Vision & Objectives

Objective      Identify Type of Information System

Identify Technology, Integration, Information etc

Estimation of Cost



Cross check with  
Health  
Informatics  
Standard for  
Malaysia

# Health Informatics Standard in Malaysia

- Govern by Ministry of Health
- Supported by Multimedia Development Corporation (MDeC)

# After SISP

SISP

Project Execution Plan

Acquire the system

Always ask for conformance statement to Standard

What if we already have  
system and need new  
integration

and we do not know which standard to adopt ?

This is when IHE framework play an important role

**Installation  
on site**

**Demonstration  
(National shows)**

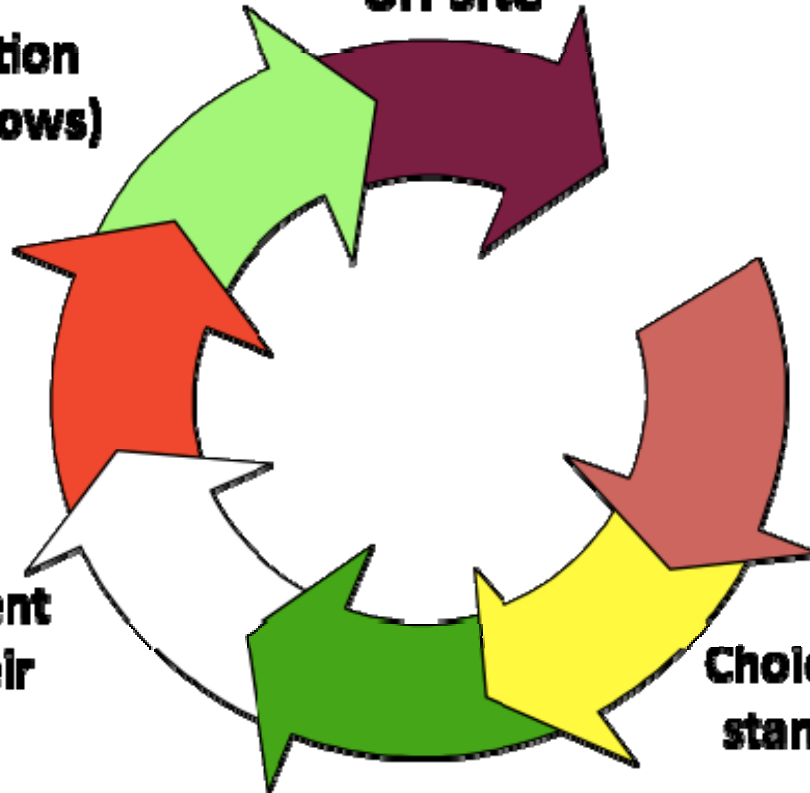
**Clinicians Identify  
clinical problems  
to be addressed: eGL  
and Clinical Summary**

**Multi-vendors  
test at the  
Connect-a-thon**

**Choice of relevant  
standards (HL7,)**

**Vendors implement  
the profile in their  
products**

**Expert  
collaborate to define  
technical specification**



# Evolution of IHE Domains

## IHE Global Developments

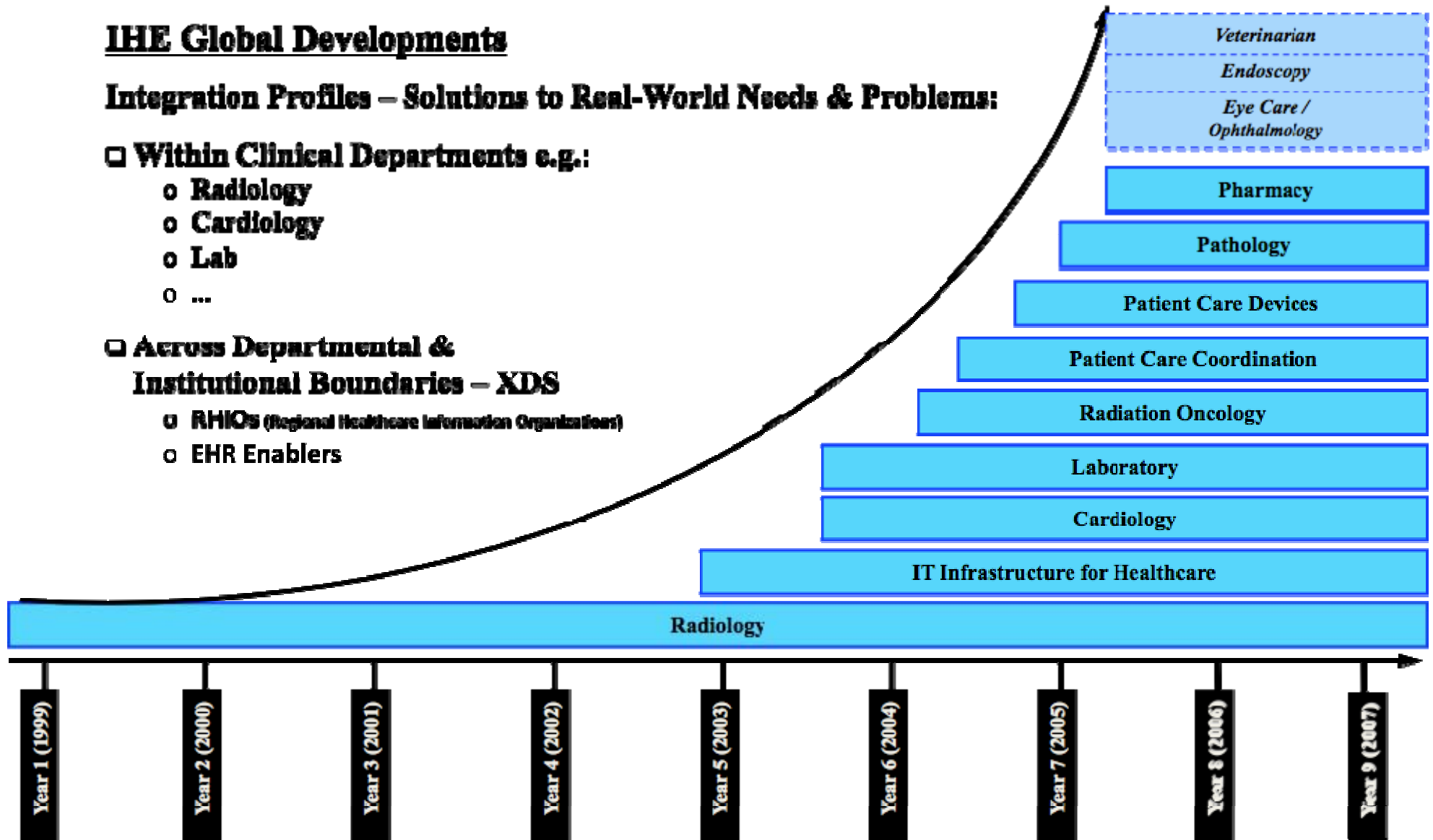
### Integration Profiles – Solutions to Real-World Needs & Problems:

#### □ Within Clinical Departments e.g.:

- Radiology
- Cardiology
- Lab
- ...

#### □ Across Departmental & Institutional Boundaries – XDS

- RHIOs (Regional Healthcare Information Organizations)
- EHR Enablers



Adoption to  
Standard

Starts with actual needs

Need someone who understand  
Health Informatics

Knowledge

# Challenges

Expertise not that many

Need involvement from clinician and other healthcare professionals

...where to look for Information

**End of Presentation**